

man who has been and now is accumulating millions of dollars. Never before was there so much sentiment against him and his methods of operations as there is to day; no matter what this sentiment may be worth, it exists and is bound to make itself felt more and more. There may be more drunkenness in the world to day than at any time before, but in proportion to population there are less drunkards, and the optimist takes note of the fact that there is a great deal *more* temperance in the world to day than at any previous time. Looking for what he wants to see the optimist find more brotherly love, more charity, more purity. (and so on thru the whole catalog,) then he ever found before, and this encourages him. A man can go to New York city and find wickedness and iniquity that make the heart sick; he may return declaring that every imagination of man is evil and evil only, and there is no good in the land. Another will go into the same city and find Christian people and Christian work, charitable institutions, homes for the poor, asylums for the weak minded, and a thousand other evidences of the spirit of Christianity, even in a place like New York city. Much depends on our view point.

Information Bureau

Is it necessary for each member to say, "This cup is the communion of the blood of Christ," Or "The bread which we take," etc., when passing the emblems?

No, it is not necessary, that is, no one has commanded us to say these words, but they are very appropriate, and helpful also. They help us to keep in mind what these emblems mean to us. When these words become a mere form as they too often do, then it were better that they were left unsaid. But the same is true of all formality. Other scripture references are equally appropriate. The writer has found it very helpful in his experience to repeat scripture passages continually during the time when the bread and the cup are passed. Among those most appropriate are these: "For God so loved the world that he gave his only begotten Son that whosoever believeth on him should not perish but have everlasting life;" "I am the bread of life; he that eateth" etc.; "I am the way, the truth, and the life;" "In my Father's house are many mansions" etc.; "Love one another as I have loved you;" if during the interval when there is silence the minister will slowly and clearly repeat these passages of scripture together with others, he will find it a happy change. Anything that will keep the minds and hearts of the participants centered on the sufferings, the death, the resurrection, and life of Jesus, will be helpful and appropriate at such times.

Is Baptism by Trine Immersion a commandment?

So the Brethren church regards it. That it is a command to be baptized no one will question who reads the New Testament; that the commandment requires Trine Immersion or Immersion at all, many will question, but the Brethren church teaches that the great commission of the Lord Jesus, "Go ye into all the world and make disciples of all nations, baptizing them into the name of the Father, and of the Son, and of the Holy Ghost," requires, not only a trine action, but trine immersion. This is what the Brethren church teaches, and this is what we believe to be the teachings of the word.

Can a man be saved without keeping the commandments?

Certainly not; how could he? Without obedience there can be no true faith, and without faith

it is impossible to please God. We can not conceive of any salvation for one who is not obedient, who does not keep the commandments of Jesus. But in this matter care must be exercised, for after all, one *is* not saved by *keeping* the commandments; rather he keeps the commandments because he *is* saved, and in the *keeping* of the commandments, and in the *doing* of the word, he *keeps* saved. Get away from the idea that we are saved by *doing* (works) The fundamental doctrine of Christianity is *live and do*; we do the works of Christ because we have within us the *life* of Christ.

If there are Christians in all churches, would it not be best for isolated members to unite with other churches?

That is a matter to be determined by each individual for himself. A rule to govern each case would mean as many rules as there are such members. One can work with other denominations without uniting with them in the sense of becoming members. No matter where the Christian finds himself, he will identify himself with Christian work and activity. He will look for ways of usefulness and helpfulness, and the door that opens to him the larger field for Christian activity is the one he should enter, no matter where it leads. Other denominations as a rule will be very glad for your services, even tho you do not become a member of their communion. But see to it, above all things, that you have your membership somewhere; if you do not see your way clear to have membership, for the time being, in another church, then have it in your own church, even if the nearest local congregation is a thousand miles away. Do not carry a church letter in your pocket for a year or more. Be at home some place. One does not cease to be a member of the family to which he belongs simply because he has gone away from home; he stands in the same relation to that home as he did before. With a few exceptions the same rule applies to one's home in the church.

Scientific Miscellany

The forests of the Philippines are thought to contain about 500 species, more than 400 being now known. There are 87 species of palms, 22 of the oak family, including two oaks, and 9 conifers, with only one true pine—the last named growing in a dense forest above a height of 4000 feet in the island of Luzon. At least 50 species are valuable. One of the most important is the yang-ylang tree, yielding a much prized oil; but others furnish cocoanuts, gutta-percha, varnish, many dye woods, and some find hard woods. A system of forestry has existed 35 years. Between 20,000,000 and 40,000,000 acres of government lands have been cared for by about 65 foresters and 100 subordinates, and the regulations have been on the most scientific European model. With usual Spanish laxity in administration, however, chief attention has been given to collecting licenses.

The murmur of a distant waterfall, the patter of raindrops on the roof, and other rhythmic vibrations, produce a soothing effect upon the nervous centers that may deepen into actual anaesthesia. Among striking examples recorded by Dr. B. F. Ward is that of a tired workman who, sitting down to rest a moment on a rail-way cross-tie, was lulled into unconsciousness by the vibrations of an approaching train, and only awakened many hours afterward, when he found that his left arm had fallen over the rail and been crushed. The man had not been drinking. It is concluded that the vibrations must be uniform, rhythmic and steadily increasing in force; and that a suitable metallic

operating table with vibrating wheels should give harmless anaesthesia as profound as that from chloroform.

Curious and striking is the new electrical vacuum phenomenon of E. Ruhmer. The air is pumped from a glass tube about three feet long and one and one-half inches wide until a discharge from a twelve-inch induction coil just forms a spark of five inches thru the air in preference to the tube. On passing a street current of one hundred and ten volts, broken by a Wehnelt interrupter, a thick red stripe extends thru-out the length of the tube. When the current is reduced by suitable resistances, the stripe breaks up into glowing patches, and if the tube is held upright, with the anode uppermost the patches group themselves into a spiral, which slowly turns around its axis, making a revolution in about seven seconds. The wave line of rotation appears to descend. The screw is usually about an inch in diameter and left handed, but is sometimes smaller and is then right-handed, the pitch varying with current and rate of interruption.

Gas thermometers for high temperatures have been experimented with by Holborn and Day. Porcelain proved to be an unsuitable material for containing the gas, especially if hydrogen is used; but nitrogen in a container of platinum-iridium alloy gave very trustworthy results. This nitrogen thermometer is claimed to measure temperatures up to 1150 degrees C. with no greater error than 1 degree C.

A new French machine for uttering vowel sounds has artificial mouths, each with teeth, tongue and lips arranged as in the human act of speaking the particular vowel. A siren for each mouth serves as a larynx, and bellows take the place of lungs.

The perfumes of flowers are best obtained by distillation, but where high temperature changes the substance the usual process is enfleurage, or absorption by fats. Separation by solvents has required costly apparatus. But a new factory at Frejus, France, claims to use carbon disulphide, acetone or petroleum ether in very simple apparatus, consisting of a tank for the solvent, one for the flowers, and a third for the solution, with steam worm, condensing worm and pump. The steam heat gently distills off the solvent, leaving an extract 100 times as strong as enfleurage pomade.

Apple Butter

We have again made a large quantity of our extra quality, pure home-made *apple butter* which is made only from apple cider and apple thickening and white sugar. Can be safely shipped to all parts of the State. Our prices are reasonable. And we guarantee satisfaction every time. We are anxious for good agents in every community. Write at once for whole sale prices, etc. Yours cordially,

C. J. Miller, & Co.,
Smithville, Ohio.

Wayne Co.

Every Member of the Brethren Church should be interested in Ashland College. If you are and want to read some timely and interesting articles fill out the following blank and send it with 25 cents to the *Purple and Gold*, Ashland, Ohio.

Publishers of the *Purple and Gold*, Ashland, Ohio.

GENTLEMEN: Enclosed find 25 cents in payment for one year's subscription to the *Purple and Gold*, which please send to the following address.

Name

Post Office

State